GENERAL NOTES:

1. Leave pins L and M unconnected when using AT-550 antenna system.
2. All wire is 24 AWG unless otherwise noted.
3. Each GND symbol denotes a 1/4 in. wide braid shield.
4. Make all shielded wire runs as short as possible (Ctip).
5. Leave pin S to pin E open for default to 243.0 kHz tuning on power up or data box failure. Connect pin S to pin E for default to 121.5 kHz tuning on power up or data box failure.

Cable length L to be 25 feet max.

A 9 pin female 9-pin connector is used to load Siren Information and excitation data into the AT-550 System Receiver. The unit is designed where a computer can be easily connected during the set-up/downloaded process.

Audio panel connections are shown for demonstration only. Actual Audio panel pins will vary per manufacturer.

Pin D of the RT-5000 P101 may be connected to pin 35 or pin 37 or both. This will allow compatibility with previous versions of the installation drawings.

Other cable types may be substituted, however, cable loss will affect communications range and quality.

C-5000/RT-5000 (-0611 and Above) System with AT-550 Antenna System
DUAL TAKE CONTROL C-5000/RT-5000 (0501 AND BELOW) SYSTEM WITH AT-5000
OR AT-560 ANTENNA SYSTEM AND DF INSTALLATION NOTES.

GENERAL NOTES:
1. Leave pins 1 and 14 unconnected when using AT-560 antennas. Connect for AT-5000 Antennas.
2. All wire is 24AWG unless otherwise noted.
3. Each GND symbol denotes a 1/4" female BNC connector.
4. Leave all shielded wire as short as possible (4510).
5. Loosen 5 to pin 5 open for output to 3401000, pin 15 to pin 15 open for output to 3461000. Leave 5 to pin 5 shorted by soldering the pin up or solder bus failure.
6. Cable length 5 to be 25 feet max.

2. REMOVED.
3. REMOVED.

Pins 6 of the RT-5000 P61 may be connected to pin 60 or pin 62 of 15W. We will be using the DF system with dual VHF antennas.

Other cables may be substituted, however cables must meet manufacturer's range and quality requirements.

A/C RTF should be open collector outputs for use with DF system.

Contact relay switches are required for use with DF system. Refer to DF system manufacturer's instruction manual.

Pin 10 of the RT-5000 connector is for DF system installation.

129-045122-01 Connector, Plug, Crimp Type, Straight.
129-045132-01 Connector, Plug, Crimp Type, Right Angle, N, RG-214.
129-045137-01 Connector, Plug, Crimp Type, Straight, TRC, RS-393 or 129-045138-01 Connector, Plug, Crimp Type, Right Angle, TNC, RS-393

Installation of the RT-5000 is given up when pin 17 of P501/502/503 is grounded.

COPY THE WIRING SHOWN ON P501 TO P502 AND P503 IF ADDITIONAL TRANSDUCERS ARE CONNECTED TO THE SYSTEM AND TAKE CONTROL IS DESIRED FOR THE ADDITIONAL TRANSDUCERS.
DUAL TAKE CONTROL C-5000/RT-5000 (-0611 AND ABOVE) SYSTEM WITH AT-5000 OR AT-560 ANTENNA SYSTEM AND DF INSTALLATION NOTES.

GENERAL NOTES:

1. Leave pin J small M unconnected when using AT-560 Antenna System with AT-5000.
2. All wire is 22 AWG unless otherwise noted.
3. Each END symbol denotes a 1/4 in. wire braid pigtail.
4. Make all direct wire connections as short as possible (1/4 in.).
5. Leave pin E to pin C open for default to 2430 kHz until tuned to proper frequency. Connect pin E to pin B for default to 121.5 MHz tuning on power up of dual base radio.
6. Cables length L must be 25 feet max.
7. REMOVED.
8. Pin D of the RT-5000 P101 may be connected to.
9. Pin D of DF is high. Pin 7 will allow compatibility with previous version of the installation drawing.
10. Other cable types may be substituted however cable loss will affect long distance range and quality.
11. A/C PTT should be open collector to allow an OFF function with the open collector output of pin 6.
12. Ground relay switches are required for use with DF Systems.
13. All relay and switch manufacturers installation manuals for more information.
14. The following is related to DF system installation.
15. A. DF port is available on pin 8 from the back receiver only.
16. B. DF output is available on external switch ground output.
17. C. DF output is available on external switch connected to the antenna.
18. D. When using a DF system with a -0600 or above P/N RT-5000 be aware that during GNSS tracking, telephone mode of operation the RT-5000 will transmit without DF OUTPUT or A/C PTT being grounded. DO NOT HAVE THE DF SYSTEM ENABLED IF OPERATING ONE OF THESE MODES.

129-049132-01 Connector Plug, Crimp Type, Straight, N, RN-142 or 129-049133-01 Connector, Plug, Crimp Type, Right Angle, NI, RN-142, 129-041367-01 Connector Plug, Crimp Type, Straight, TN, RN-293 or 129-041368-01 Connector, Plug, Crimp Type, Right Angle, TN, RN-293.

Operation of the RT-5000 is given up when Pin 17 of P501/502/563.

Copy the wiring shown as P5005 and P503 if additional transmitters are connected. In the system and Tail Control is desired for the additional transmitters.

P1 pin 6 give 0-9 as connector is used to load channel information and encryption keys into the UHF Guard Receiver. The connector should be placed where it can be easily connected during the upload/download process.